

## SEQUENCE LISTING

### (1) GENERAL INFORMATION:

(i) APPLICANT: SEMPLE, Sean C.

Klimuk, Sandra K.

Harasym, Troy O.

Dos Santos, Nancy

Ansell, Steven M.

Cullis, Pieter R.

Hope, Michael J.

Scherrer, Peter

McIntosh, Deidre

Wong, Kim F.

Maurer, Norbert

(ii) TITLE OF INVENTION: Small Multilamellar Oligodeoxynucleotide-Containing Lipid Vesicles and Method of Making Same

(iii) NUMBER OF SEQUENCES: 17

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Oppedahl & Larson LLP

(B) STREET: PO Box 5068

(C) CITY: Dillon

(D) STATE: CO

(E) COUNTRY: USA

(F) ZIP: 80435-5068

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb

(B) COMPUTER: IBM Compatible

(C) OPERATING SYSTEM: DOS 5.0

(D) SOFTWARE: Word Perfect

(vi) CURRENT APPLICATION DATA :

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 60/152,179

(B) FILING DATE: SEPTEMBER 2, 1999

(C) APPLICATION NUMBER: 09/078,954

(D) FILING DATE: MAY 14, 1998

(E) APPLICATION NUMBER: 08/856,374

(F) FILING DATE: MAY 14, 1997

(viii) ATTORNEY/AGENT INFORMATION :

(A) NAME: Marina T. Larson

(B) REGISTRATION NUMBER: 32,038

(C) REFERENCE/DOCKET NUMBER: INEX.P-007

- (ix) TELECOMMUNICATION INFORMATION:  
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(C) TELEX:

- (2) INFORMATION FOR SEQ ID NO:1:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 20  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
TGCATCCCCC AGGCCACCAT 20

- (2) INFORMATION FOR SEQ ID NO:2:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 20  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
GCCCAAGCTG GCATCCGTCA 20

- (2) INFORMATION FOR SEQ ID NO:3:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
GGTGCTCACT GCGGC 15

- (2) INFORMATION FOR SEQ ID NO:4:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15  
(B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
AACGTTGAGG GGCAT 15

(2) INFORMATION FOR SEQ ID NO:5:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 16  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
TAACGTTGAG GGGCAT 16

(2) INFORMATION FOR SEQ ID NO:6:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 24  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
TATGCTGTGC CGGGGTCTTC GGGC 24

(2) INFORMATION FOR SEQ ID NO:7:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 18  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
GTGCCGGGGT CTTCGGGC 18



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(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(iii) **HYPOTHETICAL**: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(iii) **HYPOTHETICAL**: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid

(D) TOPOLOGY: linear

(iii) **HYPOTHETICAL**: no

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
GTGCTCCATT GATGC 15

(2) INFORMATION FOR SEQ ID NO:16:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 34  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
GAGUUGCUGA UGAGGCCGAA AGGCCGAAAG UCUG 34

(2) INFORMATION FOR SEQ ID NO:17:  
(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 15  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: other nucleic acid  
(iii) HYPOTHETICAL: no  
(iv) ANTI-SENSE: yes  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:  
GAACGGAGAC GGTTT 15